

GOLDEN VALLEY RANCH

POTABLE WATER RESERVOIR 2750 N-1

BENCHMARK

BENCHMARK # "SD 34" M.C.S.D.
ELEVATION= 2590.24273 ft (NAVD '88)

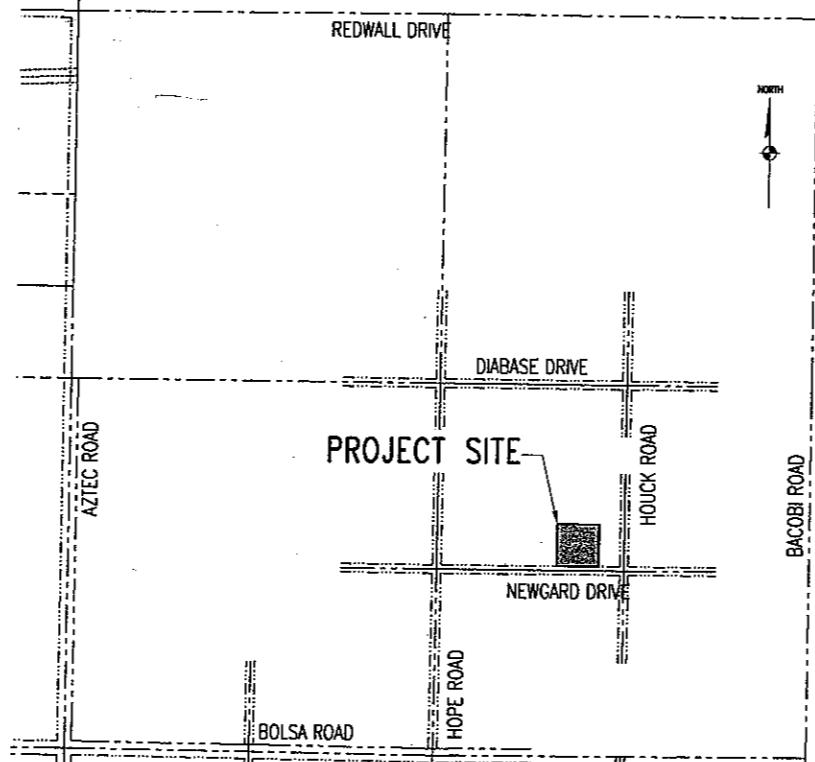
DESCRIPTION: ALUM CAP 2" DIA., SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHINARUMP DR. AND HOPE RD., STAMPED "SD 34 1999 RLS 10343."

BASIS OF BEARING

NORTH 00-13'38" EAST - THE WEST LINE OF THE NORTHWEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GILA & SALT RIVER MERIDIAN, MOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZ83-WIF), WEST ZONE, INTERNATIONAL FOOT (IFT), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. "SD 32" = LATITUDE 35-09'22.70034"N,
LONGITUDE 114-09'21.57240"W (NAD '83)
HEIGHT 2562.46391ft (NAVD'88)

STONE 1/4 COR 3/2 = LATITUDE 35-08'55.53385"N,
LONGITUDE 114-10'30.72281"W (NAD '83)
HEIGHT 2498.20458ft (NAVD'88)



VICINITY MAP
NOT TO SCALE

DISCLAIMER NOTE
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HEREIN ARE APPROXIMATE
ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY
TO DETERMINE THE EXACT
LOCATION OF ALL EXISTING
UNDERGROUND OR OVER-
HEAD UTILITIES PRIOR TO
COMMENCING CONSTRUCTION.
NO REPRESENTATION IS MADE
THAT ALL EXISTING UTILITIES
ARE SHOWN HEREON. THE
ENGINEER ASSUMES NO
RESPONSIBILITY FOR UTILITIES
NOT SHOWN OR UTILITIES
NOT SHOWN IN THEIR PROPER
LOCATION.

Avoid cutting underground
utility lines. If it's cut,
Call
before you
Dig
DUE DATE
1-800-782-6348
(1-800-STAT-48)

Avoid overhead power
line contact.
Call
before you
Overhead
DUE DATE
1-928-755-5591
DUE DATE

UTILITIES

SEWAGE DISPOSAL:	PERKINS MOUNTAIN
WATER:	PERKINS MOUNTAIN
ELECTRICITY:	UNISOURCE ENERGY
TELEPHONE:	FRONTIER
GAS:	UNISOURCE ENERGY
SOLID WASTE COLLECT:	WASTE MANAGEMENT
SOLID WASTE DISPOSAL:	MOHAVE COUNTY
FIRE DISTRICT:	GOLDEN VALLEY FIRE DEPARTMENT
	3208 AIRWAY AVENUE (928) 681-4129
	2202 STOCKTON HILL (928) 753-3000
	2498 AIRWAY AVENUE (928) 681-4129
	3250 GATLIN DRIVE (928) 718-4900
	201 N. 4TH STREET (928) 753-0723
	3327 N. MAYER RD (928) 565-3479

OWNER

SOUTH DAKOTA CONSERVANCY LLC.
4730 S. FORT APACHE ROAD
SUITE 300 LAS VEGAS, NEVADA 89147
(702) 873-5538

DEVELOPER

RHODES HOMES ARIZONA, LLC
2215 HUALAPAI MTN. RD.
SUITE H
KINGMAN, ARIZONA 86401
(928) 718-2210

ENGINEER

STANLEY CONSULTANTS, INC.
5820 S. EASTERN AVENUE
SUITE 200
LAS VEGAS, NEVADA 89119
(702) 369-9396

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NOT FOR
CONSTRUCTION

DRAWING NO. 1
C1
18

Stanley Consultants Inc., Suite 200, 5820 S. Eastern Avenue, Las Vegas, NV 89119 (702) 369-3356	Engineering, Environmental and Construction Services	Scale (H) N/A	Scale (V) N/A	Design By: BJB	Revisions	Date
PROJECT: GOLDEN VALLEY RANCH POTABLE WATER RESERVOIR 2750 N-1		FLD. BK. # N/A	DATE: 1/18/06	DRAFTED BY: ROB	CREATED BY:	

ABBREVIATIONS

ABBREVIATIONS

AB	ANCHOR BOLT	NTS	NOT TO SCALE
ABC	AGGREGATE BASE COURSE	OA	OUTSIDE AIR
AC	ASPHALT CONCRETE, AIR CONDITIONING UNIT	OBD	OPPOSED BLADE DAMPER
AD	ACCESS DOOR	OC	ON CENTER
ADDL	ADDITIONAL	OF	OUTSIDE FACE
AL	ALUMINUM	OD	OUTSIDE DIAMETER
AF	AIR FILTER	P.& I.D.	PROCESS AND INSTRUMENTATION DIAGRAM
AHU	AIR HANDLING UNIT	PC	POINT OF CURVE
BC	BRASS CAP	PT	POINT OF TANGENT
BF	BLIND FLANGE	PL	PLATE
BLDG	BUILDING	PROJ	PROJECTION
BLK WALL	BLOCK WALL	PROP	PROPERTY
BM	BEAM, BENCHMARK	PVC	POLYVINYL CHLORIDE PIPE
BOD	BOTTOM OF DUCT ELEVATION	PVI	POINT OF VERTICAL INTERSECTION
BOT	BOTTOM	PW	POTABLE WATER
BOP	BOTTOM OF PIPE ELEVATION	RCP	REINFORCED CONCRETE PIPE
BV	BUTTERFLY VALVE	RD	ROOF DRAIN
BVCE	BEGINNING OF VERTICAL CURVE ELEVATION	REINF	REINFORCED
BVCS	BEGINNING OF VERTICAL CURVE STATION	REQD	REQUIRED
CATV	CABLE TELEVISION	REQ	REQUIREMENT
CC	COOLING COIL	ROW	RIGHT OF WAY
CFM	CUBIC FEET PER MINUTE	RT	RIGHT
CIR	CIRCLE	SCHED	SCHEDULE
CJ	CONSTRUCTION JOINT	SF	SUPPLY FAN
CL, C/L	CENTERLINE	SMJ	SLEEVE MECHANICAL JOINT
CLR	CLEAR	SS, SST	STAINLESS STEEL
CMU	CONCRETE MASONRY UNIT	ST	STEEL
CO	CLEAN OUT	STD	STANDARD
CONC	CONCRETE	STA	STATION
CONT	CONTINUOUS	T	TOP, THICKNESS
COR	CORNER	TOC	TOP OF CONCRETE
CP	CATHODIC PROTECTION	TB	TERMINAL BLOCK
CS	CHLORINE SOLUTION	TS	TUBULAR STEEL
CTR	CENTER	TW	TOP OF WALL
CW	COLD WATER	TWD	TOWARDS
DB	DRY BULB	TYP	TYPICAL
DET	DETAIL	UG	UNDERGROUND
DIA	DIAMETER	UH	UNIT HEATER
DIM	DIMENSION	UNO	UNLESS NOTED OTHERWISE
DIP	DUCTILE IRON PIPE	V	VENT
DN	DOWN	VB	VALVE BOX
DTL	DETAIL	VB+C	VALVE BOX AND COVER
DWG	DRAWING	VCP	VITRIFIED CLAY PIPE
E	ELECTRIC, EAST	VC	VERTICAL CURVE
EA	EACH	VD	VOLUME DAMPER
EF	EACH FACE, EXHAUST FAN	VG	VALLEY GUTTER
EG	EDGE OF GRAVEL	VERT	VERTICAL
EL, ELEV	ELEVATION	VTR	VENT THRU ROOF
EOP	EDGE OF PAVEMENT	W	WATER
EQUIP	EQUIPMENT	WB	WET BULB
EVCE	END OF VERTICAL CURVE ELEVATION	WP	WORKING POINT
EVCS	END OF VERTICAL CURVE STATION	XFMR	ELECTRICAL TRANSFORMER
EW	EACH WAY		
EWTB	EACH WAY TOP AND BOTTOM		
EXIST	EXISTING		
EXP	EXPANSION		
FCA	FLEXIBLE COUPLING ADAPTER		
FD	FLOOR DRAIN		
FF	FINISHED FLOOR ELEVATION		
FG	FINISHED GRADE		
FL	FLANGE		
FLA	FULL LOAD AMPS		
FM	FORCE MAIN		
FOB	FLAT ON BOTTOM		
FOT	FLAT ON TOP		
FTG	FOOTING		
GA	GAUGE		
CAL	GALLON		
CALV	GALVANIZED		
GPM	GALLONS PER MINUTE		
GRD	GRADE		
GB	GRADE BREAK		
GV	GATE VALVE		
HB	HOSE BIBB OR WALL FAUCET		
HL	HIGH LEVEL		
HORIZ	HORIZONTAL		
ID	INSIDE DIAMETER		
IE, INV EL	INVERT ELEVATION		
IF	INSIDE FACE		
INV	INVERT		
JT	JOINT		
LT	LEFT		
LB	POUND		
LL	LOW LEVEL		
MAX	MAXIMUM		
MCC	MOTOR CONTROL CENTER		
MCA	MINIMUM CIRCUIT AMPACITY		
MFR	MANUFACTURER		
M.G.	MILLION GALLONS		
MH	MANHOLE		
MIN	MINIMUM		
MLP	MORTAR LINED PIPE, EPOXY COATED EXTERIOR		
MLCP	MORTAR LINED AND COATED PIPE		
MJ	MECHANICAL JOINT		
MS	MECHANICAL STRUCTURAL		
N	NORTH		
NC	NORMALLY CLOSED		

1. ALL ABBREVIATIONS SHOWN ON THIS LEGEND
MAY NOT APPEAR ON THIS SET OF DRAWINGS.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAILS, AND OTHER COUNTY ADOPTED STANDARDS, UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER, OR UNLESS APPROVED AS A PETITION OF EXCEPTION BY HEARING OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERVISORS.
2. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY UNDER THE OWNERSHIP OR CONTROL OF MOHAVE COUNTY.
3. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF ANY LAW OR ORDINANCE. REVIEW AND APPROVAL OF PLANS DOES NOT RELEASE ANY DEVELOPER OR ENGINEER FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON SAID PLANS.
4. IMPROVEMENTS WILL NOT BE ACCEPTED UNTIL CERTIFIED RECORD DRAWINGS (AS-BUILTS), INCLUDING ALL TEST RESULTS, HAVE BEEN SUBMITTED AND ACCEPTED BY THE COUNTY.
5. THE DEVELOPER, AND SUCCESSORS, AND ASSIGNS, WILL HOLD THE COUNTY OF MOHAVE, ITS OFFICERS, EMPLOYEES, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF THIS DEVELOPMENT AS SHOWN HEREON, NOW AND IN THE FUTURE, BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE FLOOD OR RAINFALL.
6. DRAINAGE WILL REMAIN IN ITS NATURAL STATE AND WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN ON THIS DEVELOPMENT PLAN.
7. A FLOODPLAIN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PARCELS LOCATED WITHIN THE FEMA DESIGNATED AREAS OF SPECIAL FLOOD HAZARD FOR THE 100-YEAR STORM.
8. ANY RELOCATION, MODIFICATION, ECT., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.
9. THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-800-STAKE-IT), BEFORE DIGGING.
10. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, AS ADOPTED AND MODIFIED BY MOHAVE COUNTY.
11. WHERE SOIL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND OBTAIN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL. PLACEMENT OF THIS MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS AND PERMITS OF THE GOVERNING JURISDICTION.
12. ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
13. EXCEPT FOR THE WORK PERFORMED UNDER THE TERMS OF A FRANCHISE, OR WORK PERFORMED BY A GOVERNMENTAL AGENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WORK IS INSPECTED AND TESTED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.

WATER

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSORED AND DISTRIBUTED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.), IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 10, TOGETHER WITH THESE PLANS.
2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURIED CABLES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION BY CALLING:
BLUE STAKE 1-800-STAKE-IT
AT LEAST 2 WORKING DAYS IN ADVANCE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.
3. CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS.
4. WATER MAIN SHALL BE DUCTILE IRON, MEETING THE DESIGN REQUIREMENTS OF AWWA C-150 AND MANUFACTURER REQUIREMENTS OF AWWA C-151.
5. WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 8.
6. WATER/SEWER SEPARATION SHALL MEET THE REQUIREMENTS OF R18-4-502C (LATEST REVISION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL.
7. TRENCHING AND BACK FILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.
8. CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED AS REQUIRED BY M.A.G. STANDARD DETAIL NO. 390, TYPE "A", AS AMENDED BY THE CITY OF KINGMAN.
9. ALL FITTINGS FOR WATER MAINS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SECTION 752.
10. ALL THRUST BLOCKING FOR WATER LINES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 380.
11. ALL BLOCKING FOR WATER GATE VALVES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 301.
12. PAYMENT FOR CONSTRUCTION SHALL BE MADE ON THE BASIS OF UNIT PRICE BID IN THE CONTRACTORS PROPOSAL. ALL ITEMS CALLED FOR ON THE PLANS BUT NOT LISTED IN BID ITEMS SHALL BE CONSIDERED INCIDENTAL. SAID ITEMS INCLUDE BUT ARE NOT LIMITED TO: WATER LINE BLOCKING, NON-METALLIC TAPE, TESTING, SALVAGING MATERIAL, EXISTING UTILITIES CONNECTIONS, ETC.
13. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL MEET THE REQUIREMENTS OF M.A.G. SPECIFICATIONS SECTION 630, AND M.A.G. STANDARD DETAIL NO. 340.
14. WATER METER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310, AND WATER METER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320.
15. ALL FITTINGS AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL VALVES ARE TO BE PLUMB AND HAVE STRAIGHT ALIGNMENT.
16. WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH M.A.G. SECTION 610-14, AND IN ACCORDANCE WITH M.A.G. SECTION 610.14 FOR DUCTILE IRON PIPE.
17. ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO. 200-1.
18. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WORK SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.

FEMA FLOOD CONTROL

FLOOD ZONE DESIGNATION: FEMA-C

SITE GRADING

ALL CONSTRUCTION SHALL CONFORM WITH THE SOILS
REPORT PREPARED BY AMERICAN SOILS ENGINEERING, LLC.
DATED FEBRUARY 9, 2006
PROJECT No. 1125-GEO.

ENGINEER'S NOTES

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLYING CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
2. THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DIMENSIONS, AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORK.

ESTIMATE OF QUANTITIES

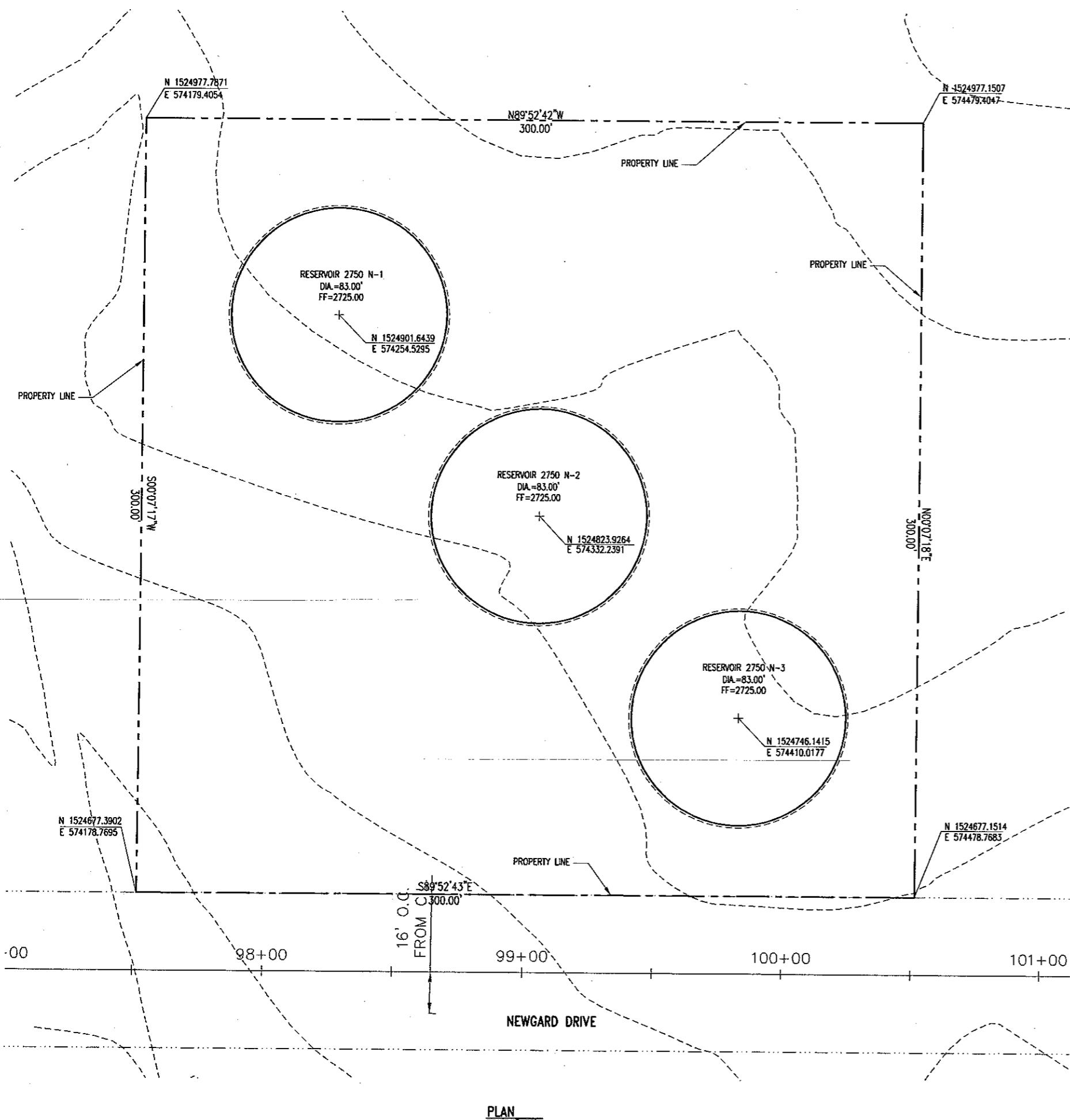
<u>DESCRIPTION</u>	<u>QUANTITY</u>	<u>UNIT</u>
MG STEEL RESERVOIR & FOUNDATION	1	EA
DUCTILE IRON PIPE	690	LF
DUCTILE IRON PIPE	400	LF
MLCP STL	14	LF
STL PIPE	36	LF
RCP PIPE	63	LF
GV & VB+C	6	EA
BUTTERFLY VALVE	2	EA
BUTTERFLY VALVE	3	EA
VC CONDUIT	510	LF

NOT FOR
CONSTRUCTION

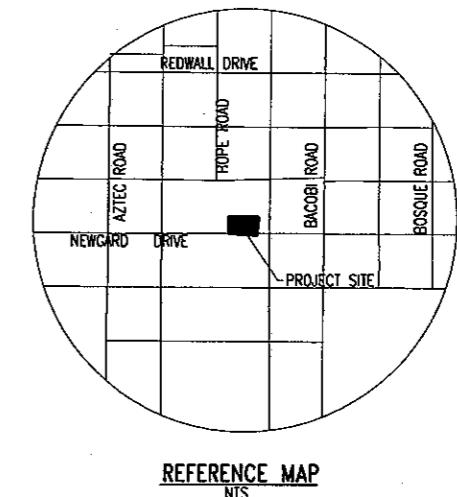
DRAWING NO.	2
G2	18

1 G NO.

18



NORTH



OVERALL SURVEY CONTROL

BENCHMARK

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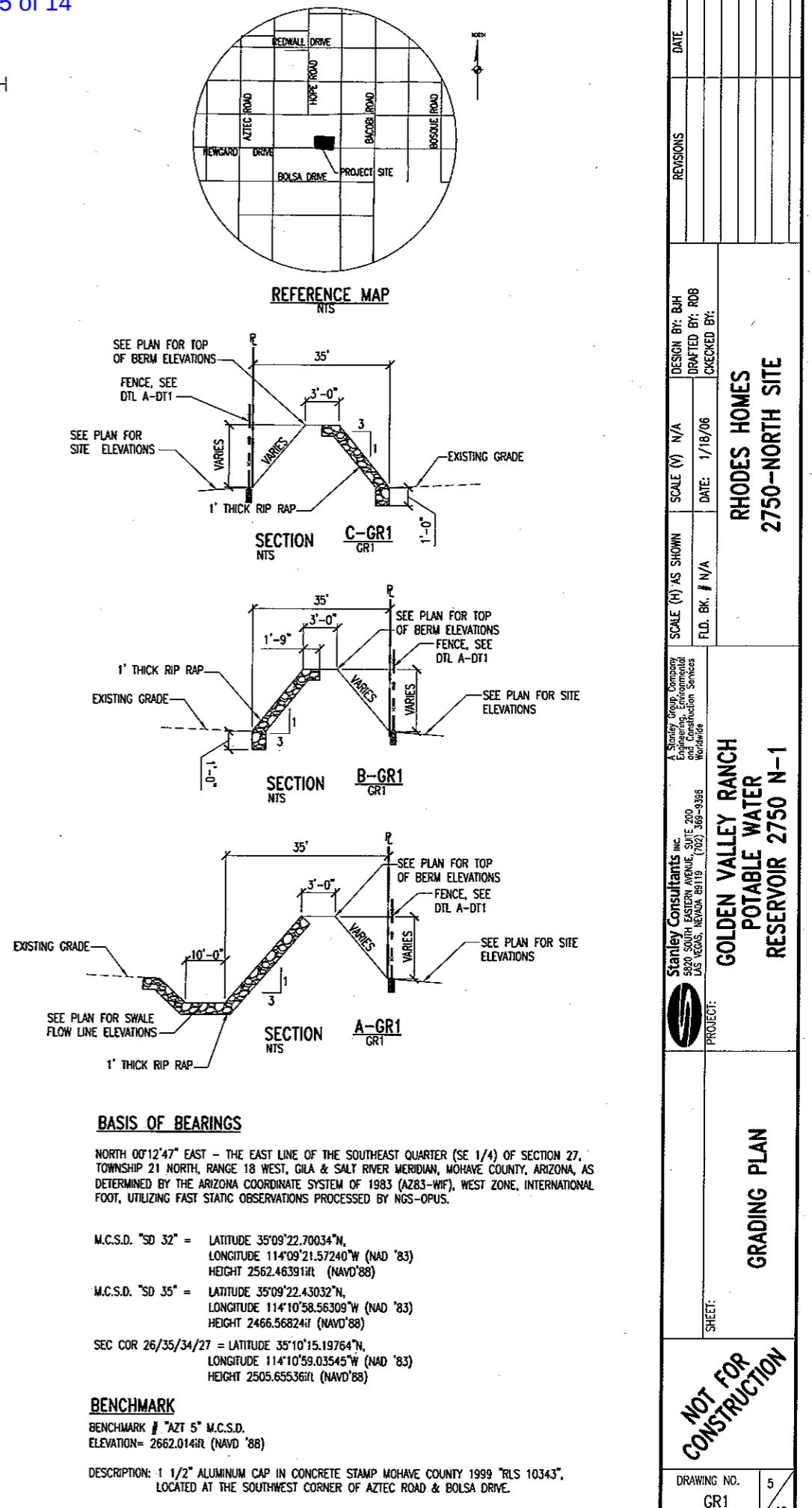
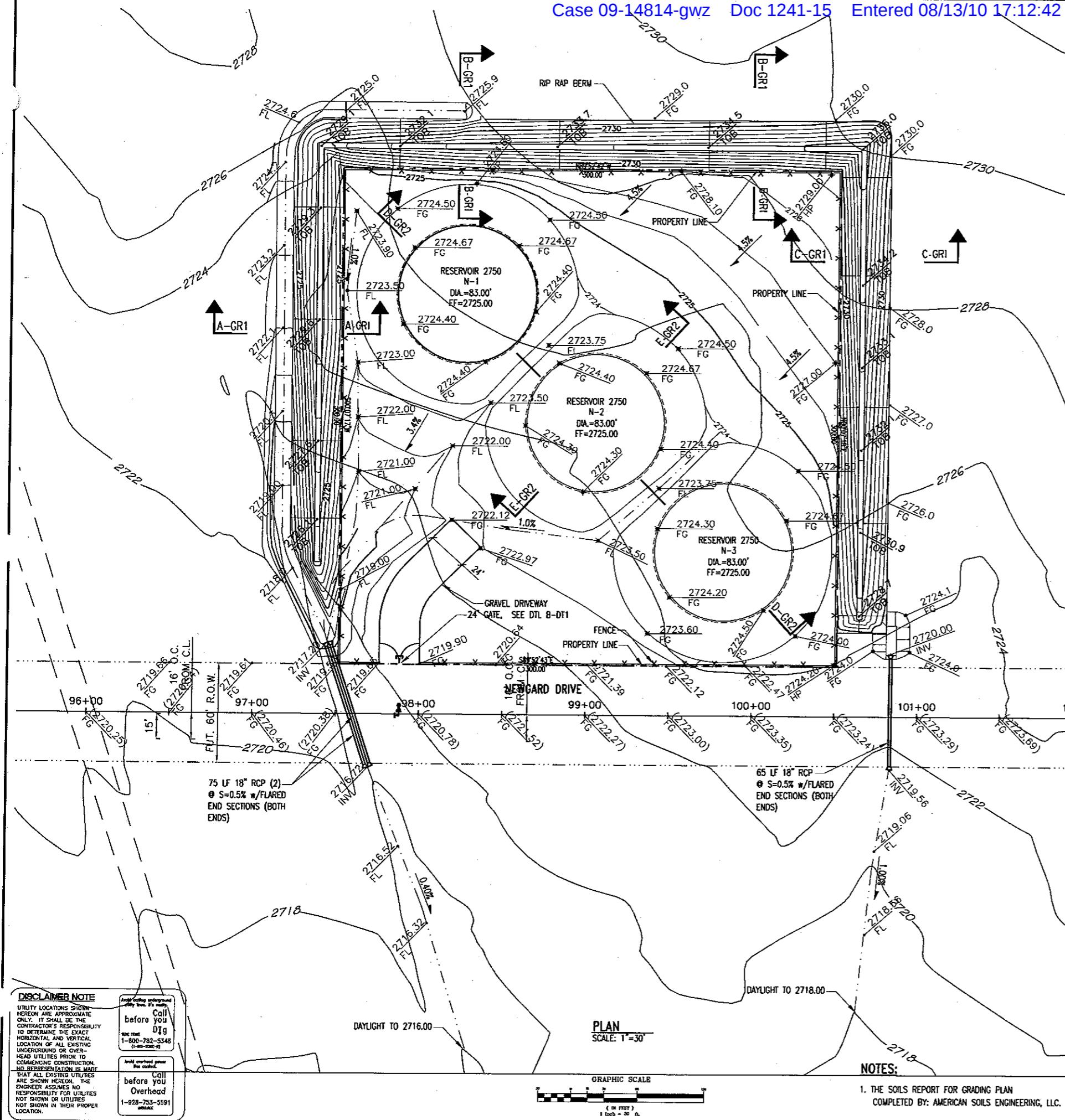
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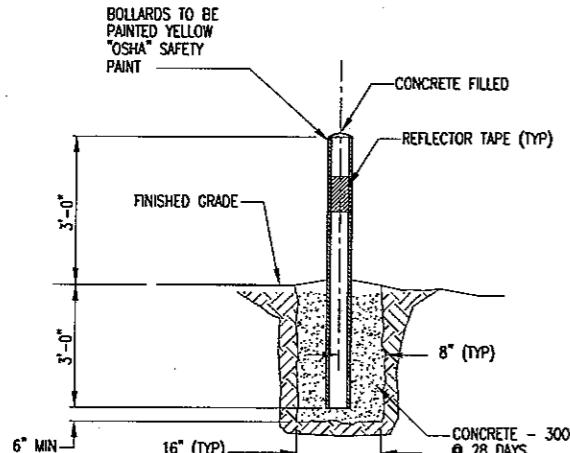
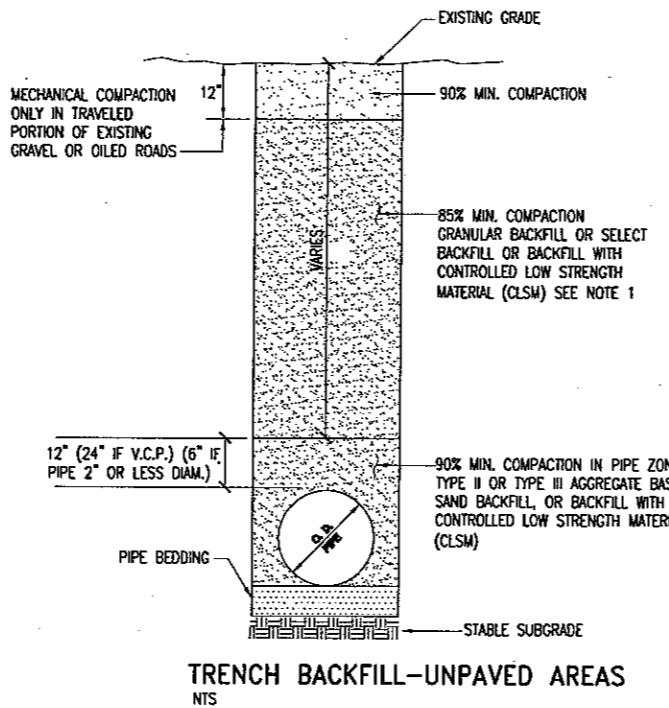
NOT FOR
CONSTRUCTION
SHEET: OVERALL SITE AND
SURVEY CONTROL
PLAN
PROJECT: GOLDEN VALLEY RANCH
POTABLE WATER
RESERVOIR 2750 N-1

DRAWING NO.
HC1
4
18

Stanley Consultants INC. 5820 South EASTERN AVENUE, SUITE 200 LAS VEGAS, NEVADA 89119 (702) 369-9386	Scale (H) AS NOTED FLD. BK. # N/A	Scale (V) N/A FLD. BK. # N/A	Design By: BJB DRAFTED BY: RDB CHECKED BY:
DATE: 1/18/06			REVISIONS
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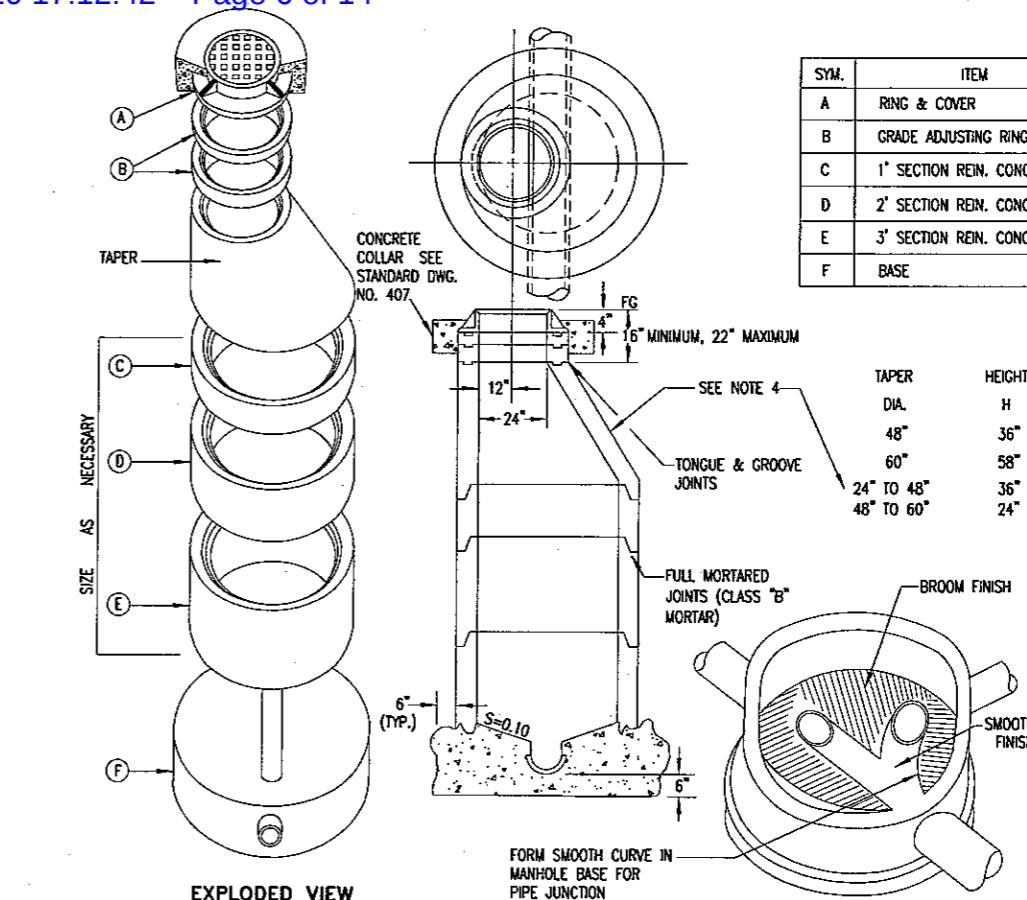
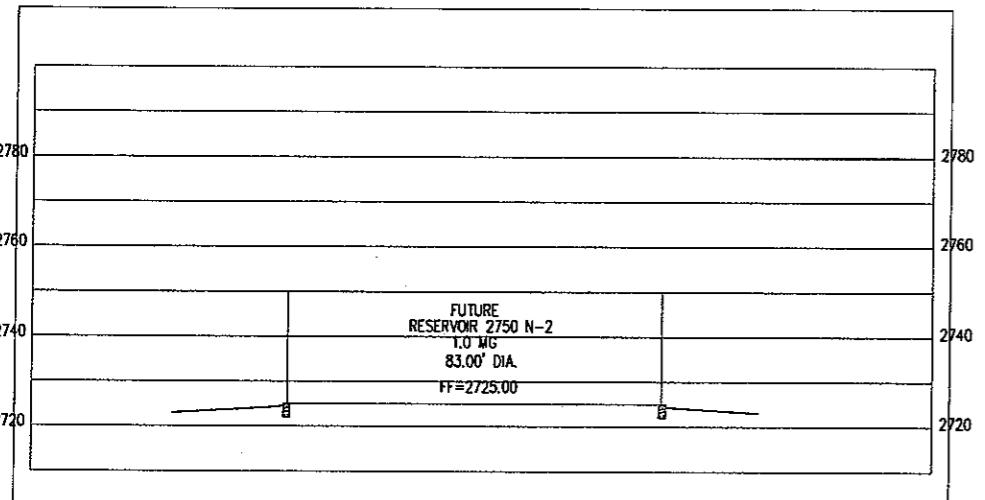
RHODES HOMES
2750-NORTH SITE

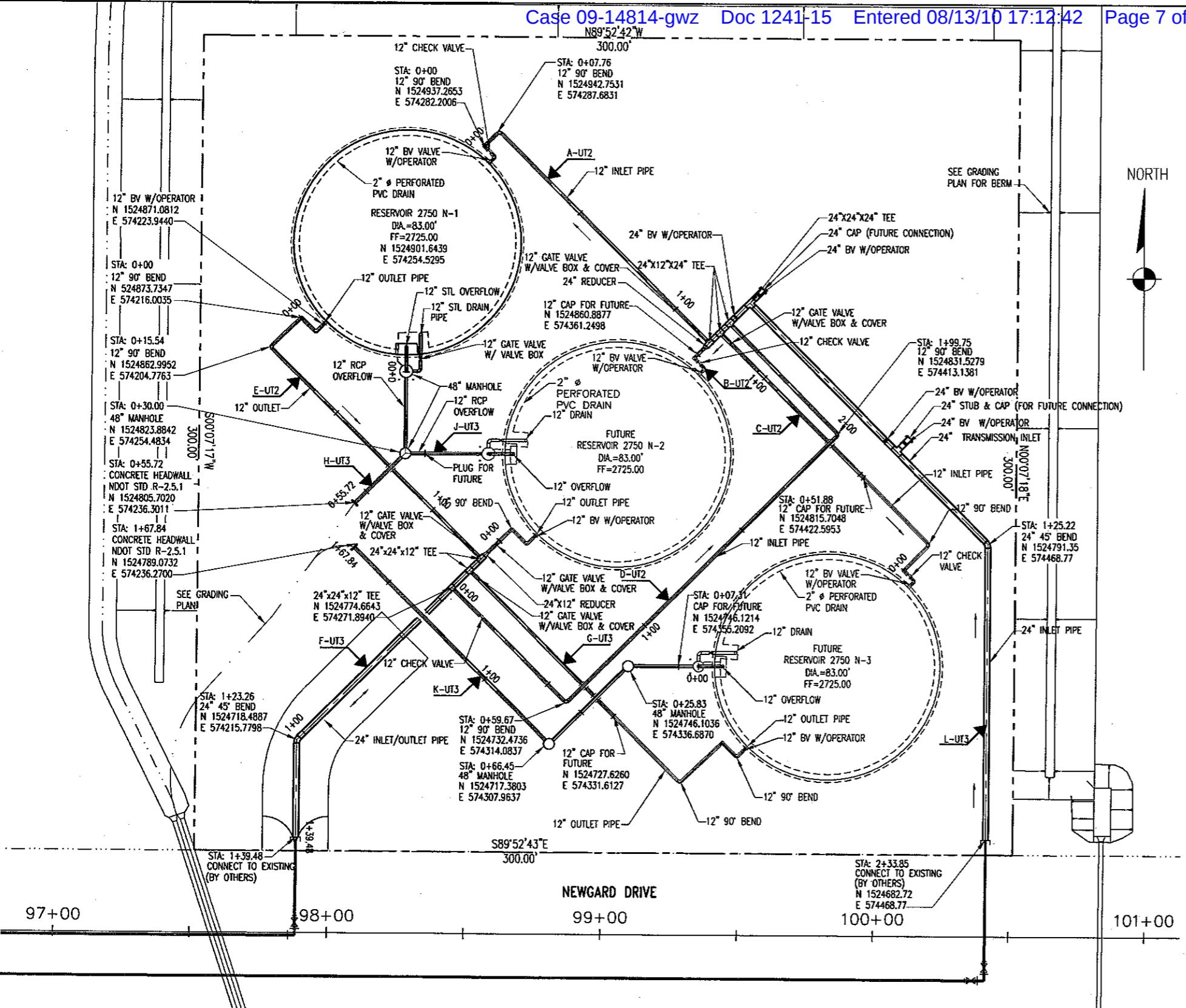


BOLLARD DETAIL
NTS F-GR2
UT4

PIPE TRENCH NOTES:

1. NO STONES OR LUMPS GREATER THAN 3" PERMITTED IN TRENCH 2' OR LESS IN WIDTH.
2. TRENCH WIDTH, BEDDING, SUBGRADE AND PIPE ZONE REQUIREMENTS FOR UTILITY INSTALLATIONS SHALL CONFORM TO THE RESPECTIVE AGENCY REQUIREMENTS.
3. CRUSHED ROCK MAY BE USED FOR PIPE BEDDING ONLY IF MATERIAL USE HAS BEEN SPECIFICALLY APPROVED BY THE GOVERNING AGENCY AND ENGINEER.





PLAN
SCALE: 1" = 20'

15 30 60

{ IN FEET }

1 inch = 30 ft.

NOTE:

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ENGINEER ASSUMES NO
RESPONSIBILITY FOR UTILITIES
NOT SHOWN OR UTILITIES
NOT SHOWN IN THEIR PROPER

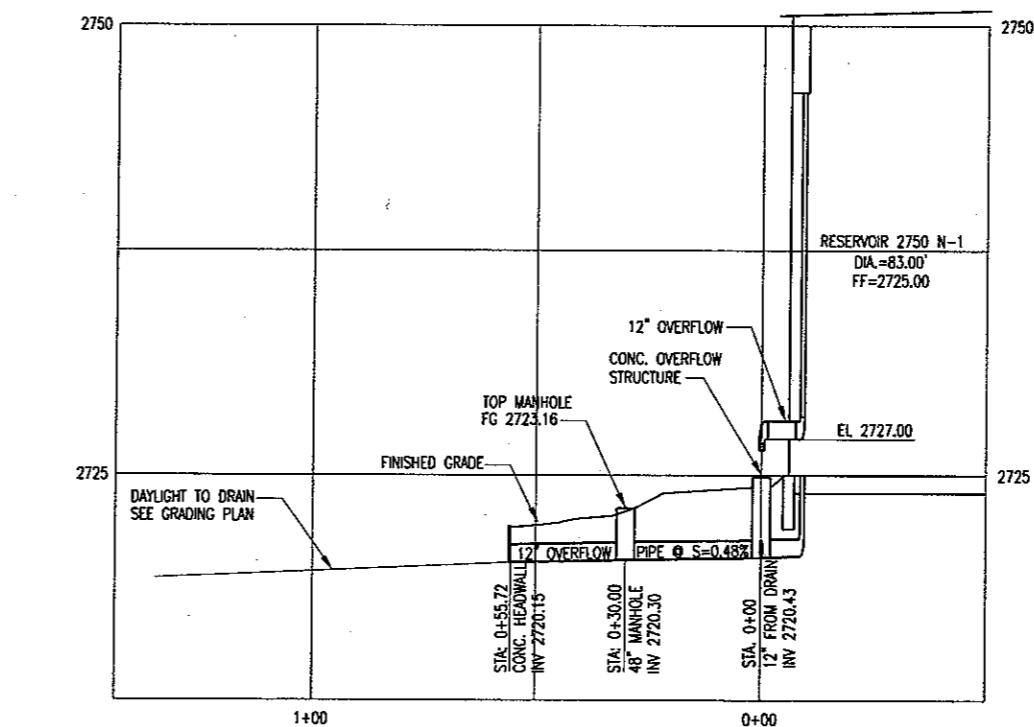
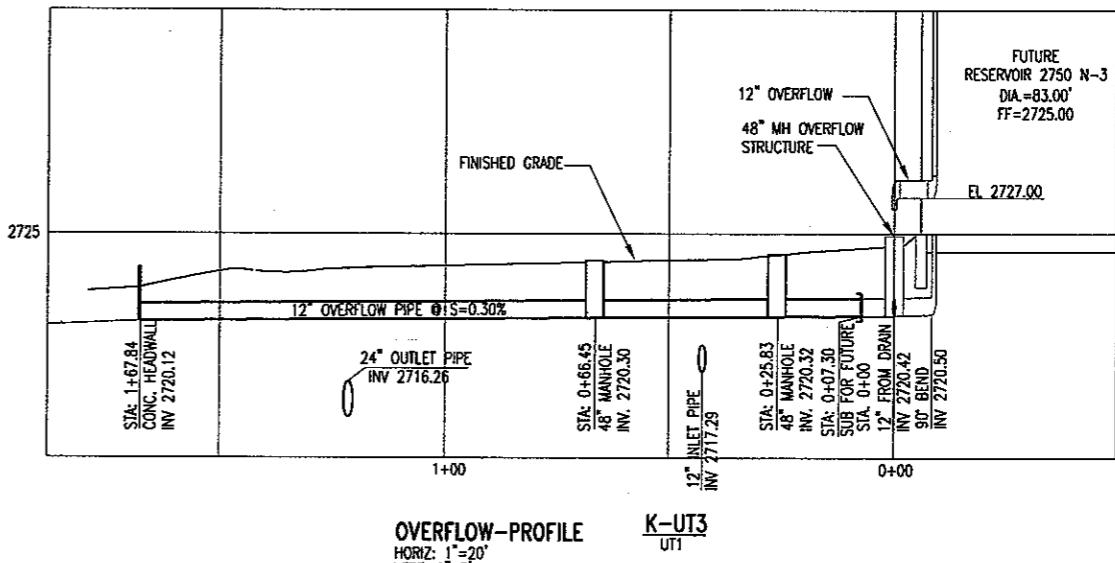
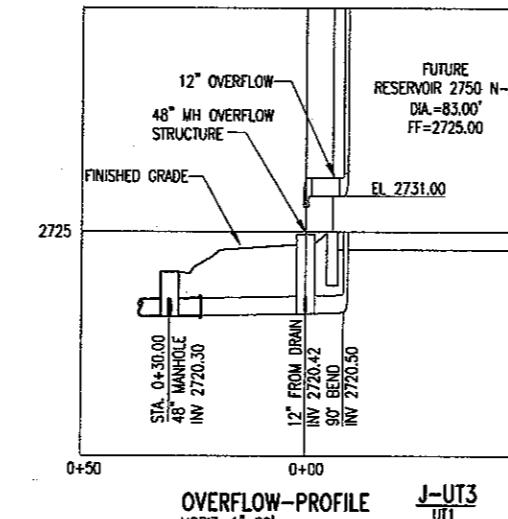
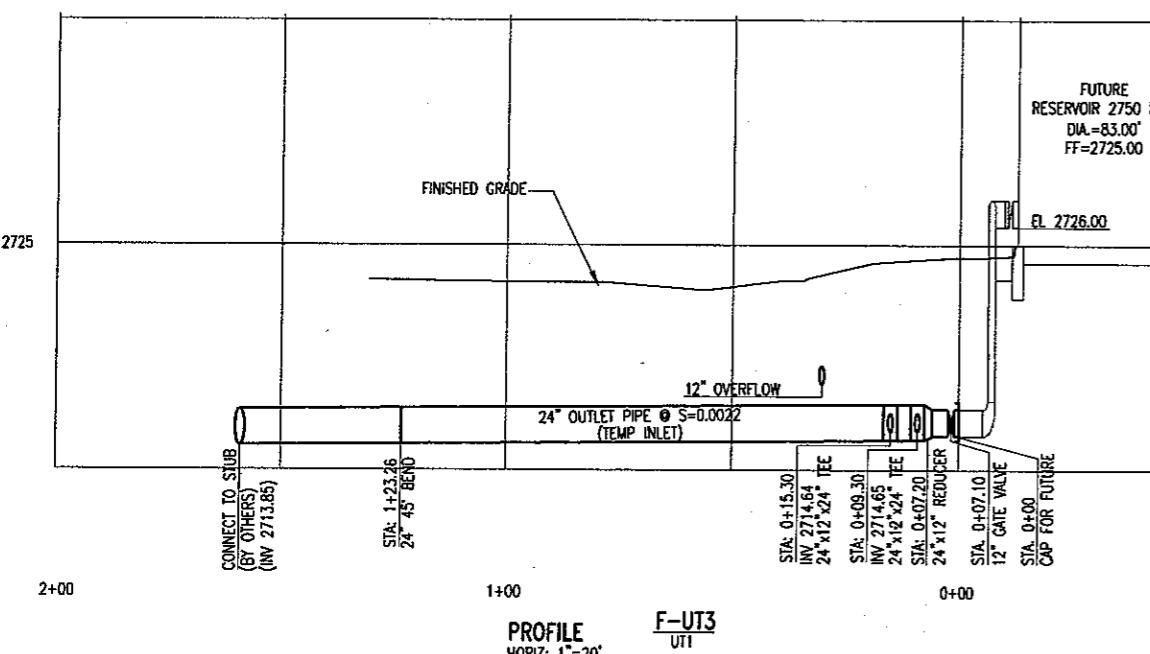
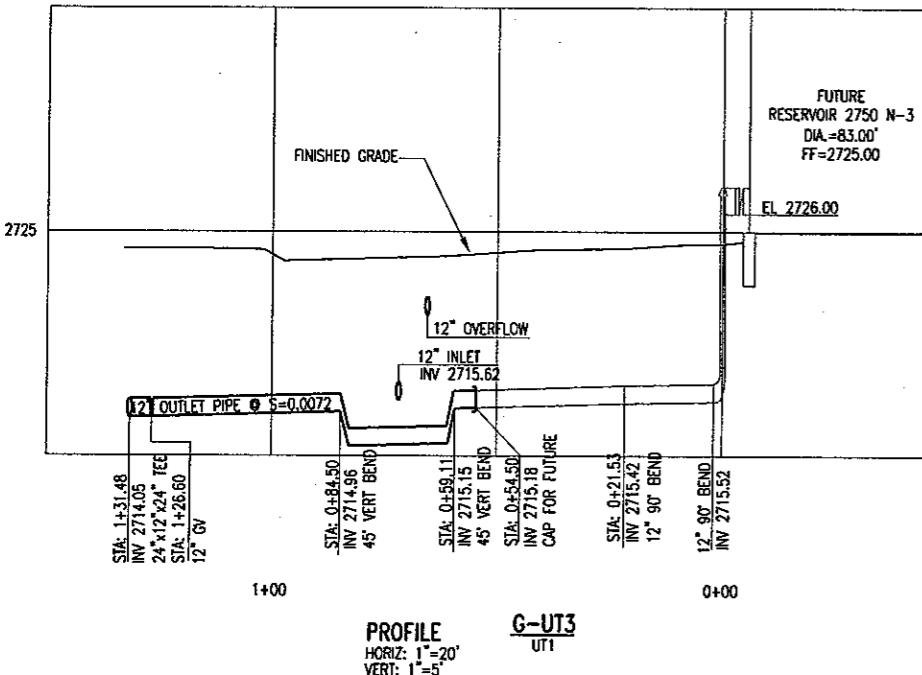
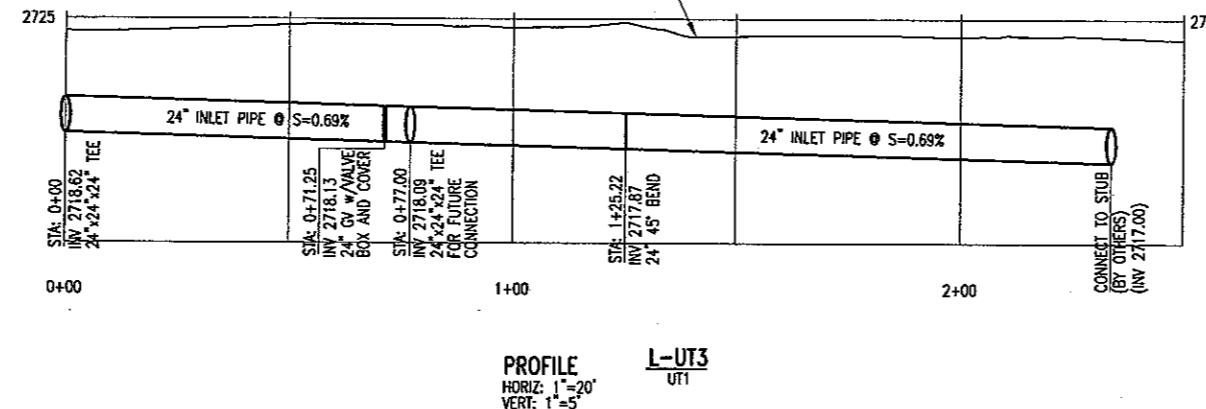
elling underground
line. It's costly.
Call
before you
Dig
24-782-5348
(1-800-374-2843)

NOT FOR
CONSTRUCTION

DRAWING NO. 7

SCALE (H) AS SHOWN	SCALE (V)	N/A	DESIGN BY: BWH	REVISIONS	DATE
FLD. BK. # N/A			DRAFTED BY: ROB		
			CHECKED BY:		
RHODES HOMES					
2750-NORTH SITE					

RD PIPING PLAN



DISCLAIMER NOTE
UTIL LOCATIONS SHOWN
ON THIS DRAWING ARE
ONLY. IT SHALL BE THE
INSTRUCTOR'S RESPONSIBILITY
TO DETERMINE THE EXACT
HORIZONTAL AND VERTICAL
LOCATIONS OF EXISTING
UTILITIES. THE CONTRACTOR
DEPENDING ON THE
AD UTILITIES PRIOR TO
COMMENCING CONSTRUCTION.
REPRESENTATION IS MADE
THAT ALL EXISTING UTILITIES
SHOWN ON THIS DRAWING
THE CONTRACTOR
ASSUMES NO
RESPONSIBILITY FOR UTILITIES
SHOWN OR UTILITIES
NOT SHOWN IN THEIR PROPER
LOCATION.

NOT FOR
CONSTRUCTION

YARD PIPING PROFILES

SHEET: 1

DRAWING NO. 9

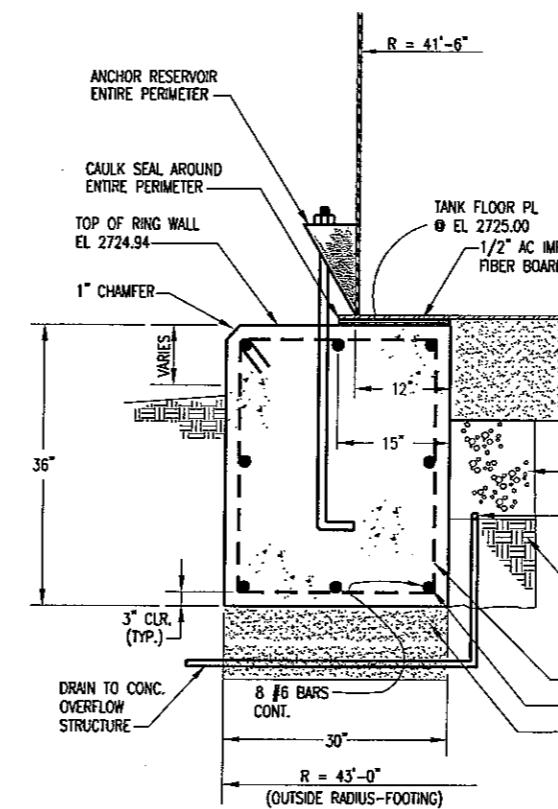
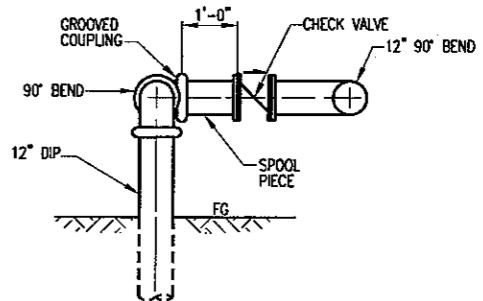
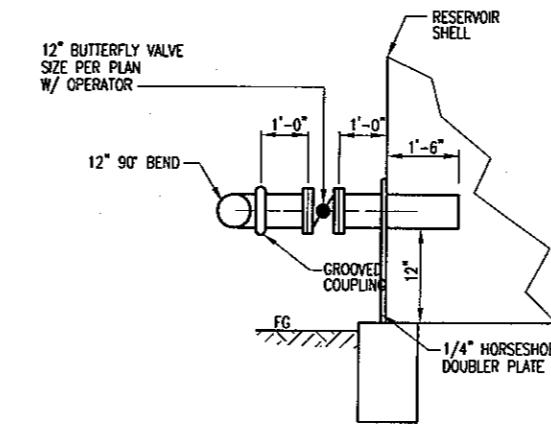
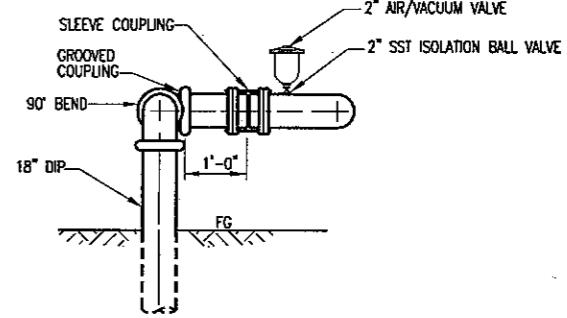
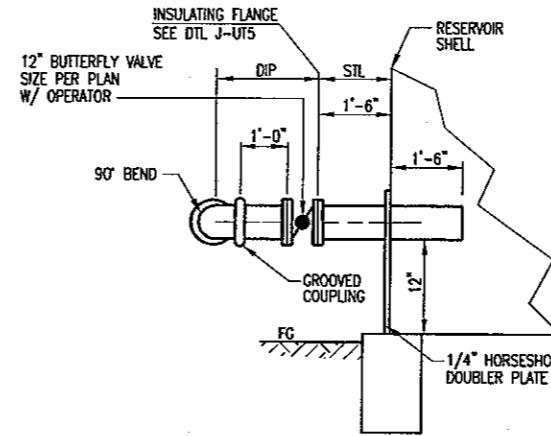
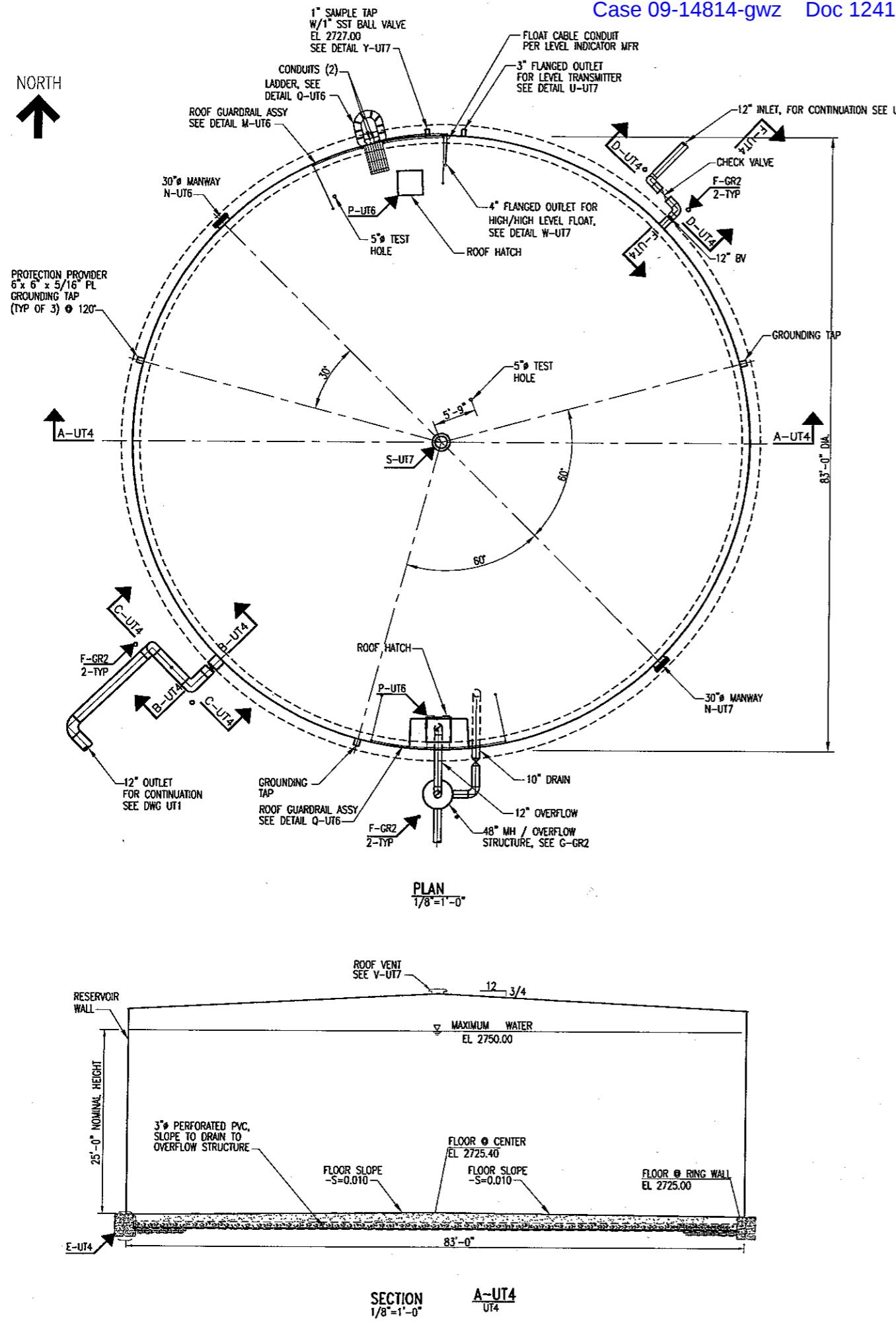
UT3

**GOLDEN VALLEY RANCH
POTABLE WATER
RESERVOIR 2750 N-1**

RHODES HOMES
2750-NORTH SITE

DESIGN	SCALE (V)	N/A	DRAW
DATE:	1/18/06		CHECKED

NORTH

NOTE:
LOCATE AND SIZE TANK ANCHORS IN
ACCORDANCE WITH THE MANUFACTURERS
RECOMMENDATIONS

NOT FOR
CONSTRUCTION

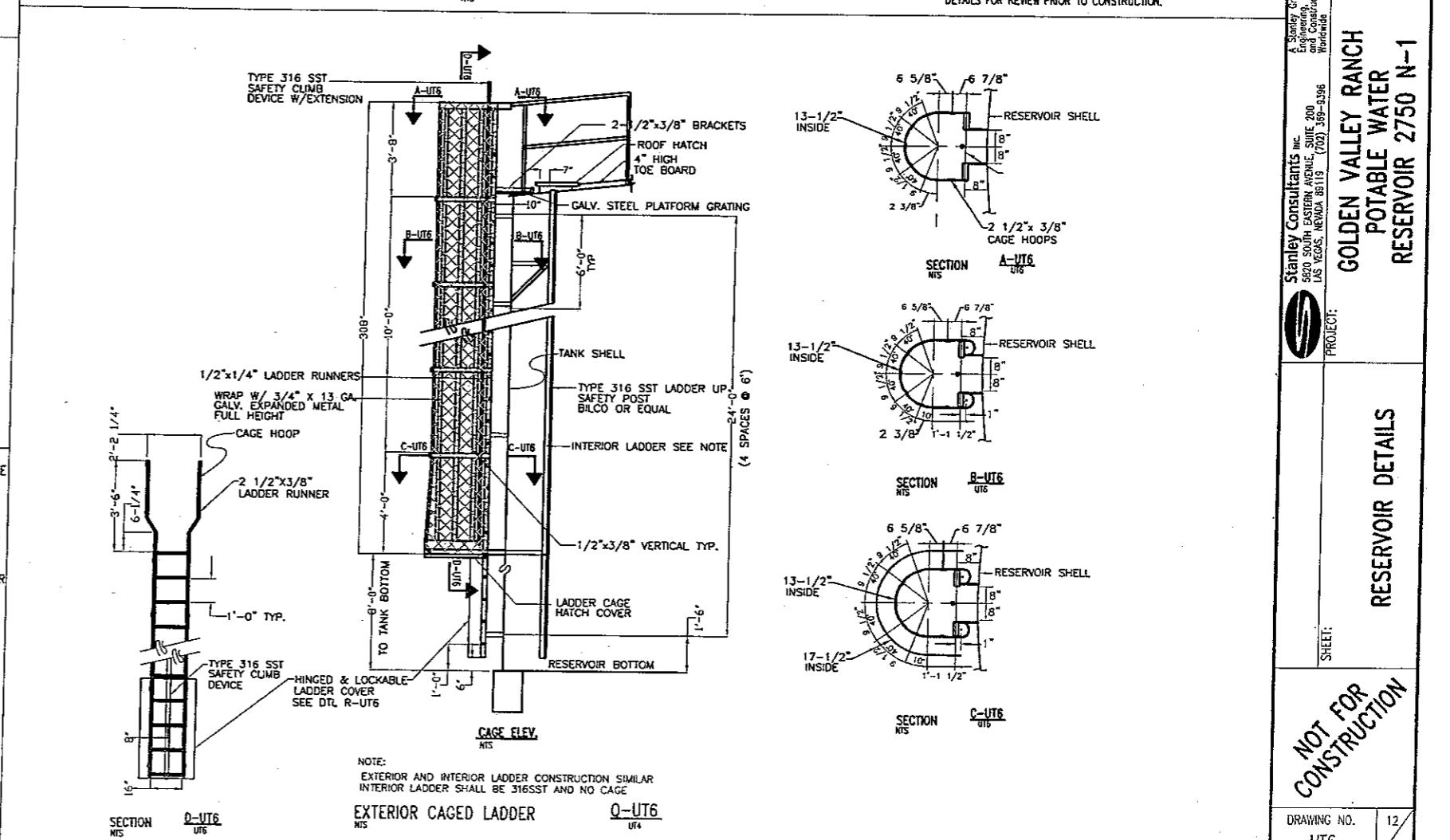
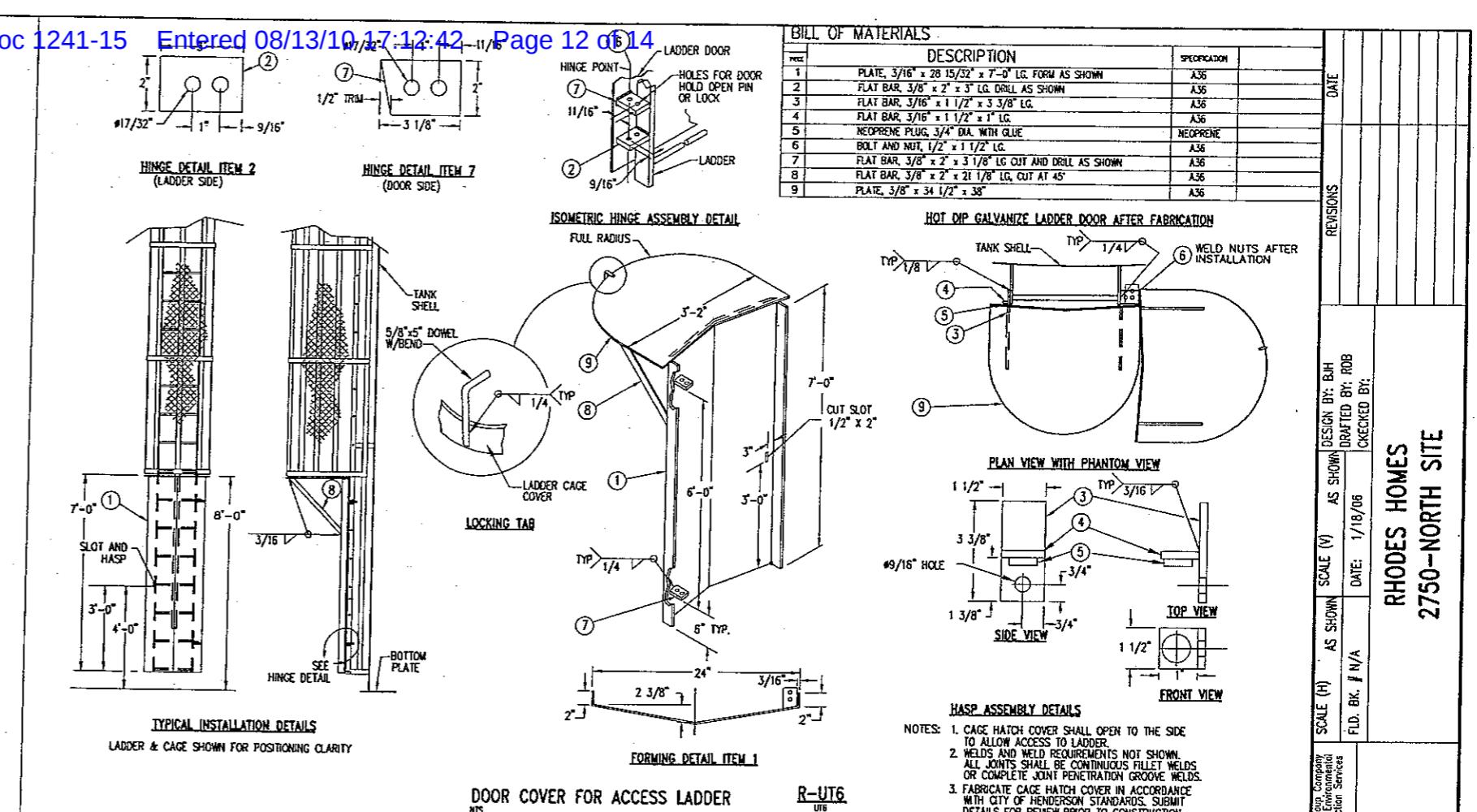
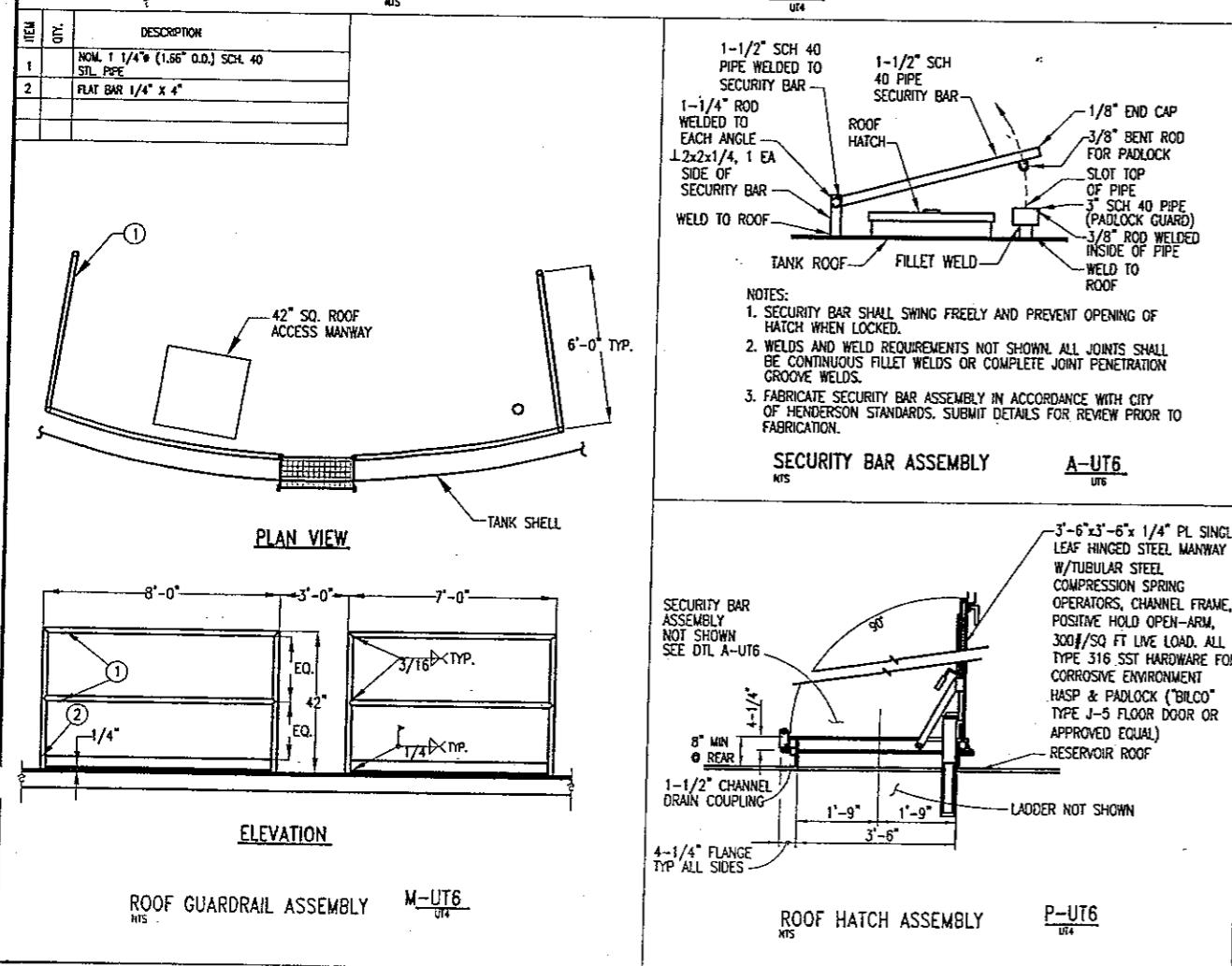
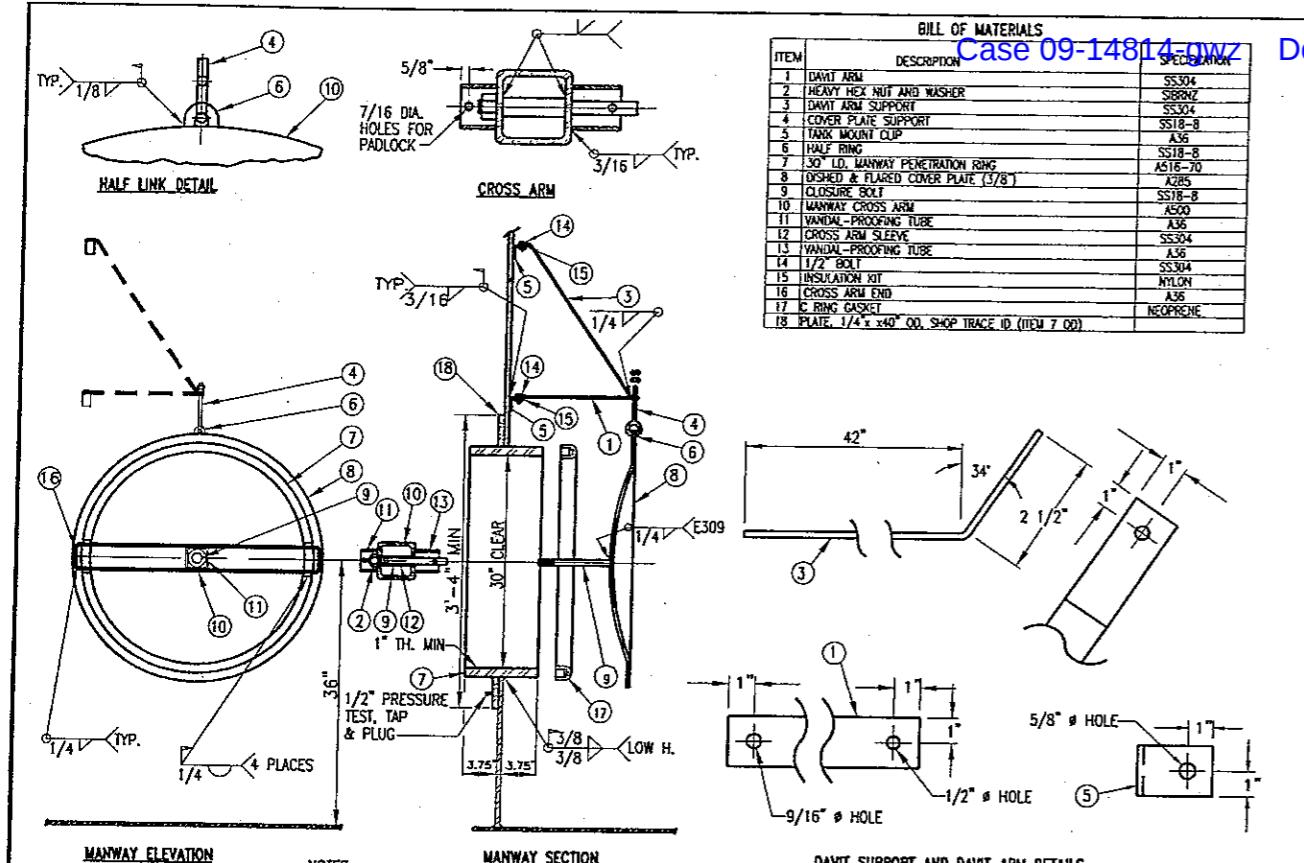
Parley Consultants, Inc.
10 SOUTH EASTERN AVENUE, SUITE 200
LAS VEGAS, NEVADA 89119 (702) 369-9396

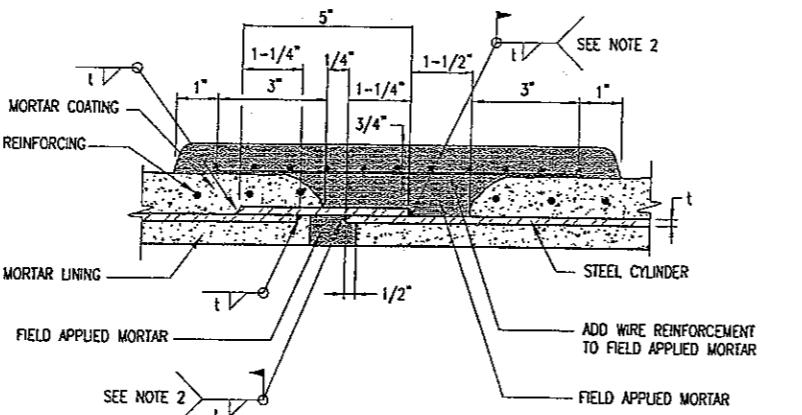
RHODES HOMES
2750-NORTH SITE

 Stanley Consultants Inc. 5820 SOUTH EASTERN AVENUE, SUITE 200 LAS VEGAS, NEVADA 89119 (702) 368-9386	PROJECT: GOLDEN VALLEY RANCH POTABLE WATER RESERVOIR 2750 N-1
	SCALE (H) FLD. BK. # Ex-Station Jumbo Company Engineering Construction Services Worldwide

RESERVOIR PLAN AND SECTIONS

DRAWING NO. 10
UT4 18

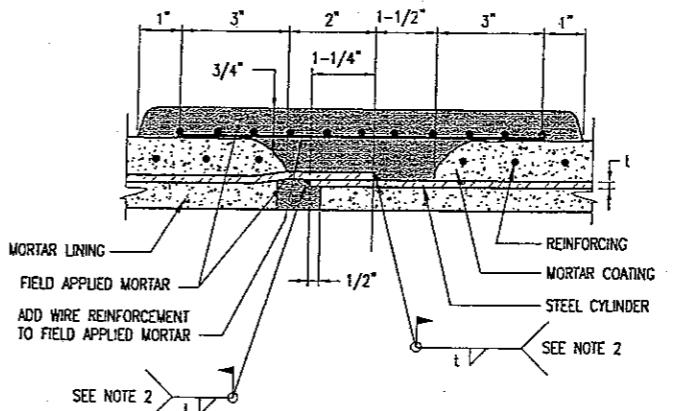




NOTES

1. SEE SPECS SEC 02650 FOR MORTAR LINED AND COATED STEEL PIPE
2. WELD OUTSIDE ON PIPE SMALLER THAN 36", OPTIONAL INSIDE OR OUTSIDE ON PIPE GREATER THAN OR EQUAL TO 36"

LAP WELDED JOINT
FOR MLCP STEEL PIPE
ITS

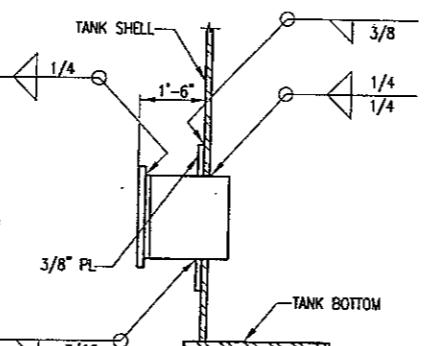


1. SEE SPECS SEC 02650 FOR MORTAR LINED AND COATED STEEL PIPE
2. WELD OUTSIDE ON PIPE SMALLER THAN 36". OPTIONAL INSIDE OR OUTSIDE ON PIPE GREATER THAN OR EQUAL TO 36"

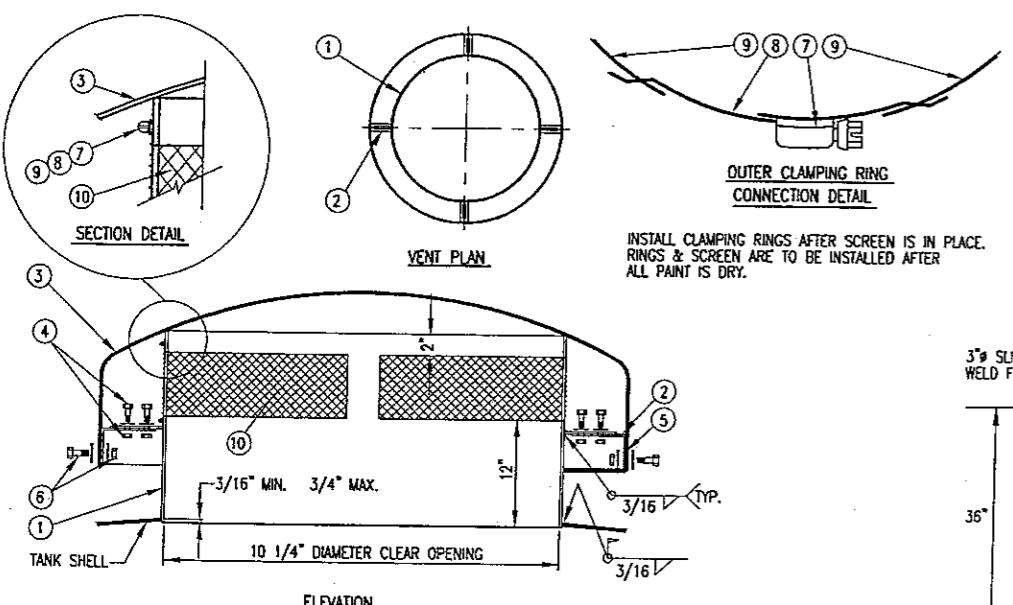
LAP WELDED JOINT
FOR MLCP STEEL PIPE-ALTERNATE
NTS

BILL OF MATERIALS		
ITEM	DESCRIPTION	SPECIFICATION
1	1/4" ROOF VENT NECK	A36
2	SUPPORT CLIP FOR DOME HEAD	A36
3	DOME HEAD & SKIRT	14 GAGE STL
4	BOLT & NUT 3/8"x1"	GALVANIZED
5	SUPPORT CLIP FOR DOME HEAD	A307
6	BOLT & NUT 1/2"x1"	GALVANIZED
7	SCREEN CLAMP DRIVER	A307
8	CLAMP STRAP	SS
9	CLAMP RETENTION BAND	SS
10	1/2"x1/2" SST MESH PLUS 8 SST	SS

ROOF VENT IS DESIGNED WITH A REMOVABLE HOOD IN ORDER TO ACCEPT A HIGH VOLUME AIR VENTILATOR WHICH RESTS ON THE OPEN TOP OF THE VENT.

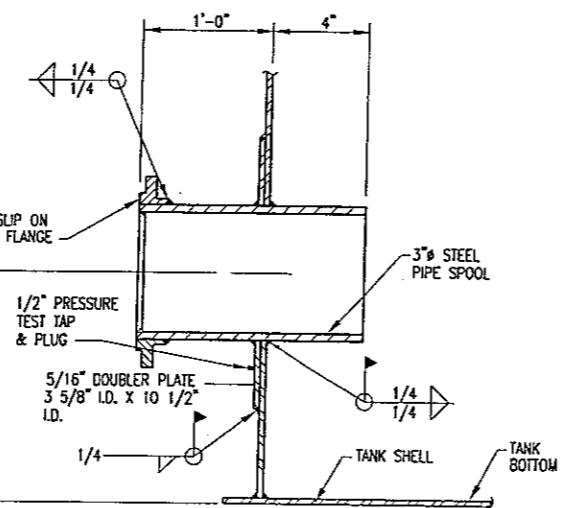


DETAIL
ANTS



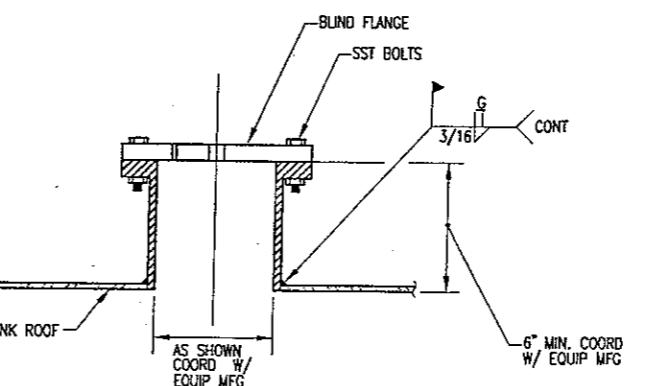
ELEVATION
ROOF VENT SECTION

S-UTZ
LIES



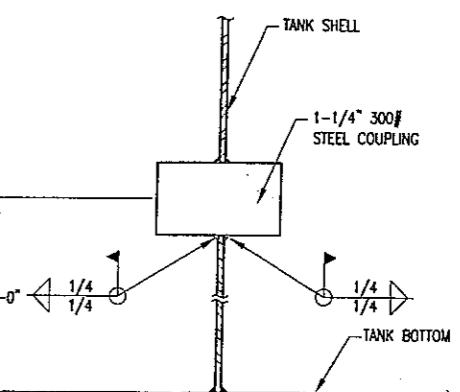
3" Ø FLANGED NOZZLE ASSEMBLY

$$\frac{U - UT_7}{UT_4 - UT_7}$$



4" Ø FLANGED ROOF NOZZLE ASSEMBLY

W-UT7
UT4



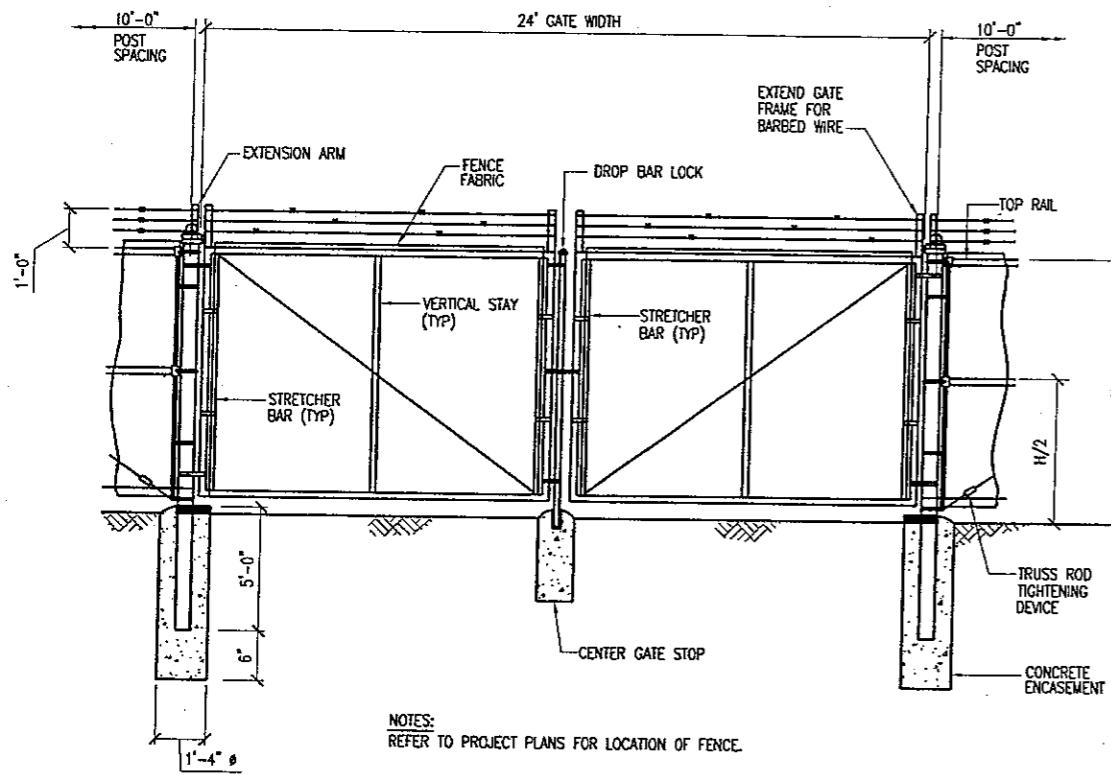
-1/4" ϕ 300# COUPLING ASSEMBLY

X-UT7
UT4, UT7

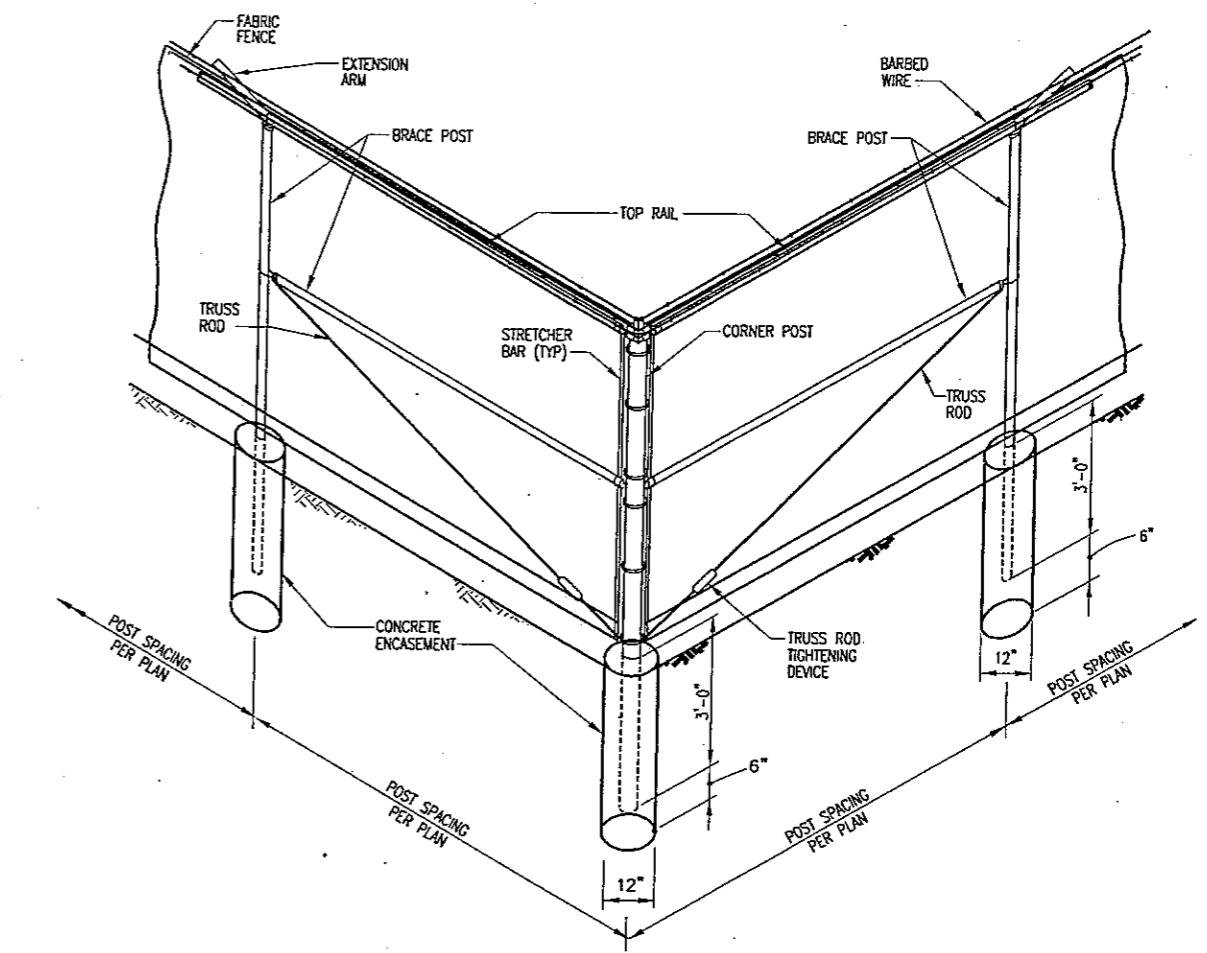
**GOLDEN VALLEY RANCH
POTABLE WATER
RESERVOIR 2750 N-1**

RESERVOIR DETAILS

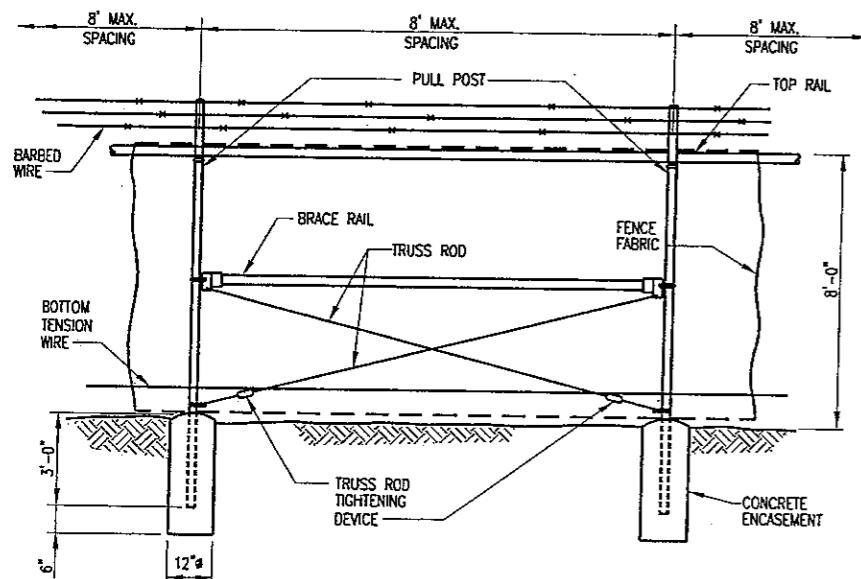
NOT FOR
CONSTRUCTION



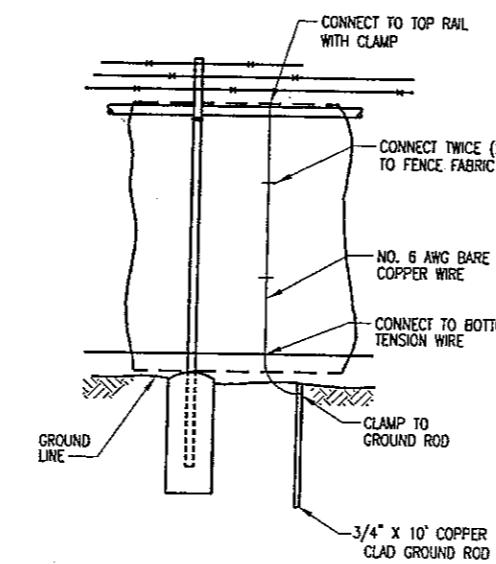
TYPICAL GATE INSTALLATION B-DT1
NO SCALE



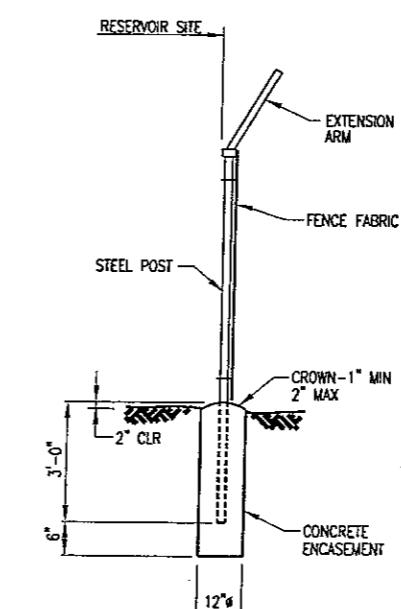
TYPICAL CORNER, ANGLE AND PULL POST DETAIL
NTS (TWO BRACE POST ASSEMBLIES)(ISOMETRIC VIEW)



TYPICAL PULL POST INSTALLATION DETAIL
NTS (AS SHOWN OR AS REQUIRED)



TYPICAL GROUND ROD INSTALLATION DETAIL
NTS MAXIMUM SPACING 100 FT



TYPICAL POST INSTALLATION DETAIL
NTS

DISCLAIMER NOTE
UTILITY LOCATIONS SHOWN
HEREIN ARE APPROXIMATE
ONLY. IT SHALL BE THE
CONTRACTOR'S RESPONSIBILITY
TO DETERMINE THE EXACT
LOCATION OF ALL EXISTING
UNDERGROUND OR OVER-
HEAD UTILITIES PRIOR TO
CONTRACTOR'S COMMENCEMENT
NO REPRESENTATION IS MADE
THAT ALL EXISTING UTILITIES
ARE SHOWN HEREIN. THE
OWNER AND CONTRACTOR
ARE EACH SOLELY RESPONSIBLE
FOR UTILITIES NOT SHOWN
IN THEIR PROPER
LOCATION.

Avoid hitting underground
utility lines. If in doubt
before you
dig
Call
1-800-782-5548
D-800-782-5548

Avoid hitting overhead
utility lines. If in doubt
before you
Overhead
dig
Call
1-928-753-5591
D-928-753-5591

NOT FOR
CONSTRUCTION

Stanley Consultants Inc.
5520 South Eastern Avenue, Suite 200
Las Vegas, Nevada 89119 (702) 565-3365

PROJECT: GOLDEN VALLEY RANCH
POTABLE WATER
RESERVOIR 2750 N-1

FILED	STANLEY GROUP CONSTRUCTION Engineering, Environmental and Construction Services and Research	SCALE (H) AS SHOWN	SCALE (V) N/A	DESIGN BY: BJB	REVISIONS	DATE
FILED B.K. # N/A	DATE: 1/18/06	DRAFTED BY: RDB	CHECKED BY:			